

Serial No. 09/443,942 (Attorney Docket: 99P7369), entitled *Method and System for Data Compression*.

*pending*  
*6/18/04* → This Application is a Continuation of U.S. Application S/N: 09/444,028, filed on 11/19/1999, now Pat. No. 6,278,742.

### IN THE CLAIMS

For the convenience of the Examiner all of the pending claims are reproduced below.  
Amended claims are so indicated.

Please amend the claims as follows:

**Please cancel Claims 1-12 without prejudice or disclaimer.**

*a2*  
*Sub*  
13. (Amended) A method for conserving power in a wireless communication system, comprising:

providing communication between a first and second component;  
transmitting an initial signal from the first component to the second component at a first power level;  
receiving the initial signal from the first component at the second component;  
determining a line quality for the initial signal at the second component;  
determining a communication strength for the initial signal at the second component; and  
transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at a second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to a pre-determined threshold and the communication strength is greater than a specified range [the second power level based on the communication strength for the initial signal].

**Please cancel Claims 14 and 15 without prejudice or disclaimer.**

16. The method of Claim 13, the first component comprising a mobile unit and the second component comprising a base unit.

*a*

17. The method of Claim 13, the first component comprising a base unit and the second component comprising a mobile unit.

Please add the following new claims 18-33:

a3  
Sub 33  
(New) The method of Claim 13, determining a line quality for the initial signal comprising determining a plurality of successive line quality indicators and summing consecutive line quality indicators over a pre-determined period of time.

19. (New) The method of Claim 13, further comprising:  
determining a power level for the initial signal at the second component, the power level comprising one of a maximum power level and at least one non-maximum power level; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the maximum power level when the line quality for the initial signal is inferior to the pre-determined threshold and the first power level is a non-maximum power level.

20. (New) The method of Claim 19, further comprising:  
incrementing an attempt counter at the second component when a request is transmitted for the first component to transmit a subsequent signal at the maximum power level; and

determining a power level for the initial signal comprising determining a value of the attempt counter.

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Sub 23  
(New) A system for conserving power in a wireless communication system, comprising.

a first component;

a second component for providing wireless communication with the first component and for transmitting an initial signal to the first component at a first power level;

an error detector for the first component, the error detector for determining a line quality for the initial signal; and

the first component operable to determine a power level for the initial signal, the power level comprising one of a maximum power level and at least one non-maximum power level and to transmit a signal to the second component requesting the second component to transmit a subsequent signal at the maximum power level when the line quality for the initial signal is inferior to a pre-determined threshold and the first power level is a non-maximum power level.

22. (New) The system of Claim 21, the first component comprising a mobile unit and the second component comprising a base unit.

23. (New) The system of Claim 21, the first component comprising a base unit and the second component comprising a mobile unit.

Sub 24  
24. (New) The system of Claim 21, the error detector operable to determine a line quality for the initial signal by determining a plurality of successive line quality indicators.

25. (New) The system of Claim 24, further comprising a slow hop counter for summing consecutive line quality indicators over a pre-determined period of time, the error detector further operable to determine a line quality for the initial signal by determining a value of the slow hop counter.

26. (New) The system of Claim 21, the first component further operable to determine a communication strength for the initial signal and to transmit a signal to the second component requesting the second component to transmit a subsequent signal at a second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to the pre-determined threshold and the communication strength is greater than a specified range.

27. (New) The system of Claim 21, further comprising:  
an attempt counter for the first component, the attempt counter for indicating whether the second component is transmitting at the maximum power level; and  
the first component operable to determine a power level for the initial signal by determining a value of the attempt counter.

28. (New) A method for conserving power in a wireless communication system, comprising:

providing communication between a first and second component;  
receiving an initial signal from the first component at the second component, the initial signal transmitted from the first component at a first power level;  
determining a plurality of successive line quality indicators for the initial signal at the second component;  
determining a line quality for the initial signal at the second component by summing consecutive line quality indicators over a pre-determined period of time; and  
transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at a second power level, the second power level based on the line quality for the initial signal.

29. (New) The method of Claim 28, the first component comprising a mobile unit and the second component comprising a base unit.

30. (New) The method of Claim 28, the first component comprising a base unit the second component comprising a mobile unit.

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31. (New) The method of Claim 28, further comprising:  
determining a communication strength for the initial signal at the second component; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to a pre-determined threshold and the communication strength is greater than a specified range.

32. (New) The method of Claim 28, further comprising:  
determining a power level for the initial signal at the second component, the power level comprising one of a maximum power level and at least one non-maximum power level; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the second power level, the second power level comprising the maximum power level, when the line quality for the initial signal is inferior to a pre-determined threshold and the first power level is a non-maximum power level.

33. (New) The method of Claim 32, further comprising:  
incrementing an attempt counter at the second component when a request is transmitted for the first component to transmit a subsequent signal at the maximum power level; and

determining a power level for the initial signal comprising determining a value of the attempt counter.